

Abstract

The present invention provides constructs and methods for increasing the content of selected amino acids by targeted expression or accumulation of a protein enriched with an amino acid sequence entailing said protein in a plant species or in a tissue or an organ of a plant. The increased content is obtained by stable transformation of plants with a recombinant nucleotide sequence construct encoding a carrier protein having in its 3'-terminal end a polyamino acid extension and operably linked with a tissue or an organ specific regulatory sequence. The increased amino acid content in plant tissues, particularly membranous oil bodies and cell walls of seed provides a composition useful as animal feed.